

AN 1982:123484 HCAPLUS
 DN 96:123484
 TI Production of alkylene oxides and catalysts therefor
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 PA Imperial Chemical Industries Ltd., UK
 SO Brit., 4 pp.
 CODEN: BRXXAA
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB---	1600747	A	19811021	1977GB-0021612 19770523
AB	<p>Catalysts for the oxidn. of olefins to alkylene oxides comprise >15% Ag supported on a porous heat-resisting support (sp. surface area 0.05-10 m²/g), the catalyst contg. >16 .mu.g equiv K/m² of the surface area of the support. Thus, 8.9 g Ag oxalate were dissolved in 7 mL 50% aq. (CH₂NH₂)₂, the soln. was adjusted to 8 mL with H₂N(CH₂)₂OH, and KOAc was added to the soln. Twenty g of porous .alpha.-alumina in the form of 3-mm-diam. and 3-mm-long pellets (surface area 2.2 m²/g, mean pore diam. 1 .mu., and pore vol. 0.5 mL/g) was impregnated with the catalyst soln. and heated 3 h at 290.degree. to give a catalyst contg. 24% Ag and 35 .mu.g equiv K/m². A stream contg. 30% ethylene [7440-22-4] was oxidized by 8% O in the presence of 10 g catalyst and 30 ppm CH₂:CHCl at 240.degree. and gas hourly space velocity 2000/h and 15,000/h at 15 and 240 psia, resp. The catalyst selectivity and O conversion were 94 and 7%, resp., at 15 psia and 90 and 3%, resp., at 240 psia.</p>			
IT	75-21-8P, preparation (manuf. of, potassium and silver alumina-supported catalysts for)			
IT	74-85-1, reactions (oxidn. of, alumina-supported potassium and silver catalysts for)			